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(54) ON-AIR INFORMATION COLLECTING/DISTRIBUTING SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an on-air information collecting/distributing system for always supplying various pieces of on-air data on radio/TV broadcast. SOLUTION: The system is provided with a data compression/ciphering means collecting, compressing and ciphering on-air data of the respective places throughout the country, a means for transmitting compressed/ciphered data from the respective places throughout the country to a center through a private line, a defrosting means defrosting and decoding compressed/ciphered data transmitted from the respective places of the throughout the country, a means for collating and extracting a program including music from on-air data which is uncompressed and decoded and air-checking it, a means for accumulating the program which is air-checked in a data server by a prescribed system, the data server for accumulating the program as a content so that it can be read and written and an extracting/working means for

extracting accumulated data based on various conditions, working it in a prescribed system list or data for one day or one week portion and distributing and downloading it via a network.

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CLAIMS

[Claim(s)]

[Claim 1] The data compression and an encryption means to collect and compress the broadcasting data of national every place, and to encipher, A transmission means to transmit said compression / encryption data to a pin center, large from national every place through a dedicated line, A defrosting means to thaw and decode compression / encryption data transmitted to the pin center, large from national every place, The air-check means which collates and extracts the program containing a musical piece etc., and carries out an air check from said broadcasting data thawed and decoded, A data server are recording means to accumulate said program by which an air check was carried out in a data server in the form of predetermined, With the data server which accumulates said program as contents possible [read-out and writing] Broadcasting information gathering / distribution system characterized by extracting the data stored in said data server based on various conditions, processing it into the predetermined format list or the data for the part on the 1st, or 1 week, and having extract / processing means in which distribution and download are

possible through a network.

[Claim 2] Extract / processing means in said pin center,large creates the every place broadcast office data based on the contents which the broadcasting station of every place broadcast as daily report data. These every place broadcast office data is ["what was applied to the day at which broadcasting station when of which program", / "whether the music which flowed is a request or a guest performance"]?

Broadcasting information gathering / distribution system according to claim 1 characterized by being processed so that various information including the information which specifies the time of a program, a broadcasting station, and a program may be known, and enabling distribution and download.

[Claim 3] extract / processing means of said pin center,large be broadcasting information gathering / distribution system given in any 1 term of claim 1 characterize by take up and process the various information which identify the contents of the programs , such as an artist exception , a manufacturer exception , Japanese music/Western music exception , and an AM/FM exception , and enable distribution and download of them out of programs , such as a musical piece broadcast at one week , as weekly report data , or claim 2 .

[Claim 4] Extract / processing means in said pin center,large is broadcasting information gathering / distribution system given in any 1 term of claims 1-3 characterized by enabling distribution and download of national ranking and each ranking according to broadcasting station as the week of programs, such as a musical piece, and month-long ranking.

[Claim 5] A video image transcription means to receive and record TV broadcast by the ground wave and the satellite broadcast wave on videotape, A tuner receiving video image transcription means to receive and record CS broadcasting on videotape through a CATV circuit, The video air-check means which chooses and carries out an air check of the programs, such as CM and a musical piece, from the image transcription of each of said video image transcription means, A data server are recording means to accumulate programs, such as said CM, musical piece, etc. by which an air check was carried out, in a data server in the form of predetermined, With the data server which accumulates programs, such as said CM, musical piece, etc., as contents possible [read-out and writing] Extract / processing means distribution and whose download extracts the data stored in said data server based on various conditions, processes into the predetermined format list or the data for the part on the 1st, or 1 week, and are enabled through a network, Broadcasting information gathering / distribution system characterized by having the voice and the image recognition system which performs data collating of programs, such as said CM, musical piece, etc., in the case of said air check.

[Claim 6] Said extract / processing means is broadcasting information gathering / distribution system according to claim 5 characterized by enabling distribution and download of them, using programs, such as TV programs, such as TV broadcast by

the ground wave and the satellite broadcast wave, and CS music channel, and CM, a musical piece, as daily report data.

[Claim 7] It is broadcasting information-gathering / distribution system given in any 1 term of claims 5-6 which perform audience rating measurement of TV broadcast using the audience rating measurement machine installed in an individual user's TV receiver, are equipped with an audience rating measurement means distribute the audience rating data obtained by audience rating measurement through a network, and are characterized by for this audience rating measurement means to distribute advertising evaluation data, such as CM and a musical piece.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention puts in a database programs, such as CM, a musical piece, etc. broadcast for 24 hours by the AM/FM radio station, TV station by the ground wave and the satellite broadcast wave, CS broadcasting, etc., and relates to collection and the system to distribute.

[0002]

[Description of the Prior Art] Although I wished for the music which has been heard from the radio into which the switch was put somehow, or television to be worrisome, and to hear it from the former once again, anyone is just going to have experience in which a music name or an artist cannot understand and can investigate. As a proposal which can respond to such a case, the "broadcast voice regenerative apparatus" of an indication is in JP,08-162981,A.

[0003] The analog sound signal which drawing 11 is the block diagram of the conventional broadcast voice regenerative apparatus, and carried out voice reception by a car radio set etc. is changed into a digital signal predetermined in the A/D-conversion section 100, and is always recorded on the ring memory 101 which replaces with and memorizes an old record signal to a new record signal one by one. The receiving sound signal is directly reproduced by real time in the voice regenerative circuit 105 at coincidence. If the carbon button 103 of re-***** is pushed, the read-out control circuit 104 will change a playback output, and will reproduce the appointed music data through read-out and the D/A transducer 102 from the ring memory 101.

[0004]

[Problem(s) to be Solved by the Invention] However, although the music of the specific broadcasting station which the individual is hearing by a car radio set etc. can

be checked in the above-mentioned conventional example. The contents of broadcast of other areas which cannot be heard with their own car radio are the individual idea systems for the narrow broadcast range that it cannot check. The information which stores broadcasting data, such as a song-accompanied-by-shamisen list according to genres, such as a broadcasting station exception broadcast by the radio broadcasting and TV broadcast in the national range, an artist exception, and Japanese music/Western music exception, and ranking, one week and for a long period of time of one month, and can be used for business use had the problem that it was not obtained.

[0005] This invention then, by monitor-putting a music program, CM program, etc. in a database for 24 hours, and processing them for AM/FM broadcasting of the radio of national every place, and TV broadcast Programs, such as music of radio and TV broadcast and CM music, are classified according to each genre. It aims at offering various kinds of daily reports, a weekly report list, and broadcasting information gathering / distribution system that can always be offered as business use and personal broadcasting data also including the hysteresis information on past in the form of ranking information.

[0006]

[Means for Solving the Problem] The data compression and an encryption means to collect and compress the broadcasting data of national every place, and to encipher in order to attain the above-mentioned purpose, A transmission means to transmit said compression / encryption data to a pin center, large from national every place through a dedicated line, A defrosting means to thaw and decode compression / encryption data transmitted to the pin center, large from national every place, The air-check means which collates and extracts the program containing a musical piece etc., and carries out an air check from said broadcasting data thawed and decoded, A data server are recording means to accumulate said program by which an air check was carried out in a data server in the form of predetermined, With the data server which accumulates said program as contents possible [read-out and writing] It is characterized by extracting the data stored in said data server based on various conditions, processing it into the predetermined format list or the data for the part on the 1st, or 1 week, and having extract / processing means in which distribution and download are possible through a network.

[0007] Extract / processing means in said pin center, large invention according to claim 2 as daily report data. The every place broadcast office data based on the contents which the broadcasting station of every place broadcast are created. These every place broadcast office data It is processed so that various information including the information which specifies the time of a program, a broadcasting station, and a program, such as "what was applied to the day at which broadcasting station when of which program" and whether "whether the music which flowed to be a request or a guest performance", may be known, and it is characterized by enabling distribution

and download. invention according to claim 3 be characterize by for extract / processing means of said pin center,large take up and process the various information which identify the contents of the programs , such as an artist exception , a manufacturer exception , Japanese music/Western music exception , and an AM/FM exception , and enable distribution and download of them out of programs , such as a musical piece broadcast at one week , as weekly report data . Invention according to claim 4 is characterized by extract / processing means in said pin center,large enabling distribution and download of national ranking and each ranking according to broadcasting station as the week of programs, such as a musical piece, and month-long ranking.

[0008] A video image transcription means for invention according to claim 5 to receive TV broadcast by the ground wave and the satellite broadcast wave, and to record on videotape, A tuner receiving video image transcription means to receive and record CS broadcasting on videotape through a CATV circuit, The video air-check means which chooses and carries out an air check of the programs, such as CM and a musical piece, from the image transcription of each of said video image transcription means, A data server are recording means to accumulate programs, such as said CM, musical piece, etc. by which an air check was carried out, in a data server in the form of predetermined, With the data server which accumulates programs, such as said CM, musical piece, etc., as contents possible [read-out and writing] Extract / processing means distribution and whose download extracts the data stored in said data server based on various conditions, processes into the predetermined format list or the data for the part on the 1st, or 1 week, and are enabled through a network, It is characterized by having the voice and the image recognition system which performs data collating of programs, such as said CM, musical piece, etc., in the case of said air check.

[0009] Invention according to claim 6 is characterized by for said extract / processing means using programs, such as TV programs, such as TV broadcast by the ground wave and the satellite broadcast wave, and CS music channel, and CM, a musical piece, as daily report data, and enabling distribution and download of them. Invention according to claim 7 performs audience rating measurement of TV broadcast using the audience rating measurement machine installed in an individual user's TV receiver, is equipped with an audience rating measurement means to distribute the audience rating data obtained by audience rating measurement through a network, and is characterized by this audience rating measurement means distributing advertising evaluation data, such as CM and a musical piece.

[0010]

[Embodiment of the Invention] Hereafter, the gestalt of operation of the 1st of this invention is explained with reference to drawing. Drawing 1 is the block diagram of broadcasting information gathering / distribution system in the gestalt of operation of the 1st of this invention. Drawing 2 is the flow chart of processing of broadcasting

information gathering / distribution system shown in drawing 1 .

[0011] In drawing 1 , 1 is a pin center,large which has computer system and a database, incorporates the radio voice of national every place, and distributes various kinds of broadcasting data. 2-6 are the broadcast compression and a cryptographer stage which compresses and enciphers the broadcasting data of every place in Tokyo, Osaka, Fukuoka, Sapporo, and Nagoya with an encoder, and is transmitted to a pin center,large 1.

[0012] 20 is a dedicated line to a pin center,large 1, for example, is the communication line of ISDN and 128kbit etc. 7 is a defrosting means to receive the signal from the broadcast data compression and the cryptoparts 2-6 of every place in a pin center,large 1, and to thaw by the decoder. 8 is an air-check means and carries out extract arrangement of the sound tune number group of broadcasting data etc. using voice detection software etc. 9 is a data server are recording means, and stores the arranged radio song-accompanied-by-shamisen data which carried out an air check in the data server 11 in a predetermined approach and a predetermined format (using data processing, such as HTML and SQL, compression processing, etc.). 11 is a data server.

[0013] 10 is an extract / processing means to process the broadcasting data stored in the data server 11 based on various conditions, such as read-out, various kinds of daily reports, a weekly report, and ranking, and to offer the data according to a request of a user. 12 is wide area networks, such as the Internet. 13-15 are the users who become a customer, and the record company and music office which are used as business-use data, such as song-accompanied-by-shamisen sales, the individual user who uses it as a music content are objects.

[0014] Actuation is explained below. Drawing 2 is the flow chart having shown the procedure of processing of broadcasting information gathering / distribution system in time series. From drawing, AM/FM radio voice is collected in metropolitan regions, such as Sapporo, Tokyo, Nagoya, Osaka, and Fukuoka, security is held the middle first, and a data compression and encryption processing are performed in the semantics which reduces the amount of transmissions for a 24-hour monitor. FARU-ized voice data, such as WAV, AU, and PCM, is compressed with ready-made methods, such as an MPEG audio, using an encoder, and encryption is also performed using the existing algorithms, such as a digital-watermarking method and a voice scramble. In this way, the broadcasting data compressed and enciphered are collected in the pin center,large 1 through the 128k dedicated line 20 shown in drawing 1 from every place (S100).

[0015] A pin center,large 1 collects the broadcasting information from every place, and performs defrosting processing by the decoder (S101). The sound recording to a cassette tape etc., By comparison collating processing of a program using the voice detection software installed in computers, such as PC, etc. Data processing for data base construction is performed, and the arranged program which performs air check,

such as a sound tune number group, and arranges a program (S102) is stored in the data server 11 as broadcasting data (S103). Data processing here is performed using the storing processing by language, such as a table link by Excel etc., and HTML, SQL, other compression processings, etc.

[0016] Extract / processing means 10 finally shown in drawing 1 reads the data server's 11 broadcasting data, and processes them as follows.

The daily chart of a sound tune number group as shown in drawing 3 is created as (1) and a daily report. Drawing 3 is the example of the daily chart on gold, October 20 of a TOKYO-FM office, and consists of items, such as broadcasting hours, a program name, a music name, an artist name, a music company, and a partition. This is created by each following ** office.

[0017] The Kanto AM data (NIPPON BROADCASTING SYSTEM, Nippon Cultural Broadcasting, the TBS radio, Radio Nippon), the Kanto FM data (BAY-FM TOKYO-FM, J-WAVE, and FM Yokohama —) INTER-FM, NACK5, FM Fuji, NHK-FM, and the Kansai AM data (radio Osaka —) the Mainichi Broadcasting System, Asahi Broadcasting, and the Kansai FM data (KISS-FM FM Osaka and FM802 —) alpha station, Sapporo FM data (AIR-G, NORTH-WAVE) The Fukuoka FM data (CROSS-FM, FM Fukuoka), the Nagoya AM data (ZIP-FM, FM Aichi), Nagoya FM data [— (S104)] (Tokai radio),

[0018] It creates by one week as a weekly report similarly as (2) and a weekly chart. Week ranking as shown in drawing 4 is created as (3) and weekly ranking. Drawing 4 is an example of the weekly ranking classified by area for 1 week of metropolitan area FM broadcasting of the Kanto area (October 20 to October 26). An item Ranking ranking, count of broadcast, music name, artist, and sale origin, the count according to broadcasting station of each, ***** — an object broadcasting station takes up the broadcasting data, Tokyo FM, FM Yokohama, J-WAVE, BAY-FM, NACK5, FM Fuji, and InterFM**, of seven games, and shows the metropolitan area ranking of seven game of the whole, and the ranking according to each broadcasting station.

[0019] It is the same format, in addition ranking can create national ranking (a week, monthly), metropolitan area AM/FM (week, monthly) ranking, the Kansai AM/FM (week, monthly) ranking, the Sapporo FM (week, monthly) ranking, the Nagoya FM (week, monthly) ranking, the Fukuoka FM (week, monthly) ranking, each [these] ranking according to broadcasting station, request ranking, etc. — (S105).

Furthermore, various kinds of variations other than this etc. can be created and distributed according to a request an artist [besides above] exception, a manufacturer exception, and Japanese music/Western music exception as shown in drawing 5 , without limiting [graph / AM/FM another sale former] to these further.

[0020] Individually, in the case of a sponsor, it can be used for advertising examination data etc. as information gathering of music contents as a operating index in a music company and a music production, but customers 13-15 place an order by HP (homepage) etc. through the network 12 which showed the distribution approach from

a pin center, large 1 to drawing 1, and these broadcasting data are distributed by FAX, online, etc. from a pin center, large 1. Or broadcasting data will be obtained without a troublesome procedure if a user uses the service which can transmit the Web page of the broadcasting data distribution pin center, large 1 which displays these contents to a customer side. If such service etc. is used, since it can display on a cellular phone also in going out by preparing the Web page for cellular phones, for example, the width of face of business can also be expanded.

[0021] Next, the gestalt of operation of the 2nd of this invention is explained with reference to drawing. Drawing 6 is broadcasting information gathering / distribution structure-of-a-system Fig. concerning the gestalt of operation of the 2nd of this invention. In drawing 6, 30 is TV broadcasting data distribution pin center, large which is equipped with a database and consists of computer system. 31 is a video image transcription means to record a terrestrial electric wave and satellite broadcast waves, such as the Tokyo commercial broadcasting TV broadcast station, on videotape.

[0022] 32 is a CS-CATV circuit tuner receiving means, and in case CS digital broadcasting by the communication satellite is received and it distributes with cable television CATV, it is equivalent to the receiving tuner of which a scramble is canceled. 33 is a CATV circuit video image transcription means to record TV signal of the CATV on videotape. 34 is an air-check means and extracts a sound tune number group, CM program, etc. from the program information from each video image transcription means 31 and 33 using a voice recognition system or an image recognition system (not shown). As for 35, voice detection software, such as a signal comparison method and a signal change detection method, is used with a voice recognition system.

[0023] 36 stores in a data server the broadcasting program which carried out an air check with the data server are recording means in a predetermined approach and a predetermined format (language processing, such as HTML and SQL, compression, etc. are used). 37 is a data server. 38 is broadcasting data extraction and a processing means, and carries out creation distribution of a daily report, a weekly report, the ranking, etc. 39 is an audience rating measurement means, performs audience rating measurement of TV broadcast using the audience rating measurement machine (not shown) installed in an individual user's TV receiving set etc., and distributes the audience rating data obtained by measurement through a network 40. 40 is wide area networks, such as the Internet. The others and individual user who is the sponsor who checks the record company and music office which are used as business-use data by the user, CM program audience rating, etc. also makes 41-43 the object.

[0024] Actuation is explained below. Drawing 7 is the flow chart having shown the procedure of processing of broadcasting information gathering / distribution system in time series, collects the electric waves of five Tokyo commercial broadcasting

companies, Nippon Television, TBS television, Fuji Television, TV Asahi, TV Tokyo, etc. (S200), and records them on videotape with the video image transcription means 31 shown in drawing 1 (S201). CS broadcasting is received similarly, it transmits by the CATV circuit (S202), a scramble is canceled using the receiving tuner which inserted the IC card which memorizes a scramble discharge key with the tuner receiving means 32, and a video image transcription is performed (S203).

[0025] The air-check means 34 performs an air check for TV program recorded on videotape with the image transcription means 31 and 33, respectively. an air check -- the voice detection software of a voice recognition system 35 -- although not illustrated, it collates using an image recognition system, and a sound tune number group, CM program, etc. are extracted. Various kinds of recognition methods, such as a signal detection method which detects the rising edge of the comparison method by the wave analysis using FFT etc. as voice detection software or the video signal at the program start time, and a sound signal, can be used. Moreover, it is also possible to adopt an image recognition system as detection of CM program etc. The sound tune number group which finished an air check, CM program, etc. perform predetermined data processing, and are stored in the data server 37 by the data server are recording means 36 (S204). Data processing here is the storing processing by the table link by Excel, HTML, SQL, etc., other compression processings, etc.

[0026] Then, broadcasting data extraction and the processing means 38 extract the program stored in the data server 37 based on the order from users 41-43 performed through a website etc. (S209), processes it into various kinds of data, and is distributed as a daily report (S206). Moreover, it processes and distributes to a weekly report, ranking, etc. (S207). As a daily report, as shown in drawing 8, it is creating for every date with the broadcasting station and the program name by the item of "today's ranking, last ranking, music title, artist name, music company, and genre exception etc. **s."

[0027] As a weekly report, as shown in drawing 9, it is creating for every broadcasting station and program name by the item of "broadcast day, day-of-the-week, music title, artist, music company, and genre exception etc. **s." As a CM program list, as shown in drawing 10, it is creating for every date with the broadcasting station name by the item of "broadcasting-hours, program name, advertiser, trade name, performance talent name, music name, singer name, and sale origin, partition genre exception, etc. **s." In addition, various information can be distributed.

[0028] Moreover, the audience rating measurement means 39 performs audience rating measurement of TV broadcast using the audience rating measurement machine (not shown) installed in an individual user's TV receiving set etc., and audience ratings, such as CM program acquired by measurement, are transmitted to users, such as an advertising agency and a sponsor, and are used as data of an effect-of-advertising judging.

[0029] Thus, TV sound tune number group and CM program data are usable also in the others and the general user who are the song-accompanied-by-shamisen provider who distributes the automaker and personal computer manufacturer having the car navigation corresponding to Web, radio, and TV commercial song accompanied by shamisen the digital [TV] manufacture manufacturer [in whom an Internet connectivity besides being a music company, a music production, a sponsor, an advertising agency, etc. is possible], and sale origin of a cellular phone (telephone equipped with web browser functions, such as an I mode, EZweb, and J sky). On the other hand, member registration is carried out and these users 41-43 can also search the data server 37 freely through a website etc. (S209). In that case, a password, ID, etc. are given to a user.

[0030]

[Effect of the Invention] The data compression and an encryption means according to invention according to claim 1 to collect and compress the broadcasting data of national every place, and to encipher as explained above, A transmission means to transmit compression / encryption data to a pin center, large from national every place through a dedicated line, A defrosting means to thaw and decode compression / encryption data transmitted to the pin center, large from national every place, The air-check means which collates and extracts the program containing a musical piece etc., and carries out an air check from the broadcasting data thawed and decoded, A data server are recording means to accumulate the program by which an air check was carried out in a data server in the form of predetermined, With the data server which accumulates a program as contents possible [read-out and writing] Since the data stored in the data server were extracted based on various conditions, it was processed into the predetermined format list or the data for the part on the 1st, or 1 week and it has extract / processing means in which distribution and download are possible through the network By carrying out the monitor of the national radio and TV program for 24 hours, and putting programs, such as a musical piece, in a database, as a daily report list, a weekly report list, and ranking information, broadcasting data are always provided and distributed and the thing of them can be carried out [business use and personal].

[0031] According to invention according to claim 2, extract / processing means in a pin center, large As daily report data, the every place broadcast office data based on the contents which the broadcasting station of every place broadcast are created. Every place broadcast office data is ["what was applied to the day at which broadcasting station when of which program", / "whether the music which flowed is a request or a guest performance"]? Since it is processed so that various information including the information which specifies the time of a program, a broadcasting station, and a program may be known, and distribution and download are enabled, the daily report list of each broadcasting stations of a national every place region, a week, month-long ranking information, etc. can always be distributed. According to invention

according to claim 3, moreover, extract / processing means of a pin center, large As weekly report data, out of programs, such as a musical piece broadcast at one week Since the various information which identifies the contents of the programs, such as an artist exception, a manufacturer exception, Japanese music/Western music exception, and an AM/FM exception, is taken up and processed and it was made to enable distribution and download The various information sorted as week broadcasting data an artist exception, a manufacturer exception, Japanese music/Western music exception, according to AM/FM, etc. can be distributed. Moreover, according to invention according to claim 4, since distribution and download of national ranking and each ranking according to broadcasting station of extract / processing means in a pin center, large are enabled as the week of programs, such as a musical piece, and month-long ranking, it can always distribute the month-long Rankine grist according to [various] genre.

[0032] A video image transcription means to receive and record TV broadcast by the ground wave and the satellite broadcast wave on videotape according to invention according to claim 5, A tuner receiving video image transcription means to receive and record CS broadcasting on videotape through a CATV circuit, The video air-check means which chooses and carries out an air check of the programs, such as CM and a musical piece, from the image transcription of each video image transcription means, A data server are recording means to accumulate programs, such as CM, a musical piece, etc. by which an air check was carried out, in a data server in the form of predetermined, With the data server which accumulates programs, such as CM and a musical piece, as contents possible [read-out and writing] Extract / processing means distribution and whose download extracts the data stored in the data server based on various conditions, processes into the predetermined format list or the data for the part on the 1st, or 1 week, and are enabled through a network, Since it has the voice and the image recognition system which performs data collating of programs, such as CM and a musical piece, in the case of an air check TV broadcasting data can always be distributed [business use and personal] as a daily report and a weekly report list by carrying out the monitor of TV broadcast and the CS broadcasting, and putting a musical piece program and CM program in a database.

[0033] According to invention according to claim 6, since extract / processing means uses programs, such as TV programs, such as TV broadcast by the ground wave and the satellite broadcast wave, and CS music channel, and CM, a musical piece, as daily report data and enables distribution and download of them, it can distribute the daily report list of each TV office, the musical piece program of a CS broadcasting music channel, CM programs, etc. Moreover, since according to invention according to claim 7 audience rating measurement of TV broadcast is performed using the audience rating measurement machine installed in an individual user's TV receiver, it has an audience rating measurement means to distribute the audience rating data obtained

by audience rating measurement through a network and this audience rating measurement means distributes advertising evaluation data, such as CM and a musical piece, the advertising evaluation data of CM program can be distributed to a sponsor by audience rating measurement.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is broadcasting information gathering / distribution structure-of-a-system Fig. in the gestalt of operation of the 1st of this invention.

[Drawing 2] It is the flow chart of processing of broadcasting information gathering / distribution system shown in drawing 1.

[Drawing 3] It is drawing showing one example of the daily chart shown in drawing 2.

[Drawing 4] It is drawing showing one example of the weekly chart shown in drawing 2.

[Drawing 5] It is drawing showing one example of Japanese music/Western music exception of the weekly chart shown in drawing 4.

[Drawing 6] It is broadcasting information gathering / distribution structure-of-a-system Fig. concerning the gestalt of operation of the 2nd of this invention.

[Drawing 7] It is the flow chart of processing of broadcasting information gathering / distribution system shown in drawing 6.

[Drawing 8] It is drawing showing one example of the part processing data on the 1st shown in drawing 7.

[Drawing 9] It is drawing showing one example of the part processing data on the 7th shown in drawing 7.

[Drawing 10] It is drawing showing one example of CM program list of the part processing data on the 1st shown in drawing 8.

[Drawing 11] It is the block diagram of the conventional broadcast voice regenerative apparatus.

[Description of Notations]

1 30 Pin center, large

2-6 Broadcast compression means

7 Defrosting Means

8 34 Air-check means

9 36 Data server are recording means

10 38 Extract / processing means

11 37 Data server

12 40 Network

13-15 Customer
20 Dedicated Line
31 Ground Wave and Satellite Broadcast Wave Video Image Transcription Means
32 CATV Circuit Tuner Receiving Means
33 CATV Circuit Video Image Transcription Means
35 Voice Recognition System
39 Audience Rating Measurement Means
41-43 User
